

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-267301

(43)Date of publication of application : 28.11.1991

(51)Int.Cl.

B22F 1/02  
// B01J 19/08  
B22F 9/12

(21)Application number : 02-065953

(71)Applicant : NOK CORP

(22)Date of filing : 16.03.1990

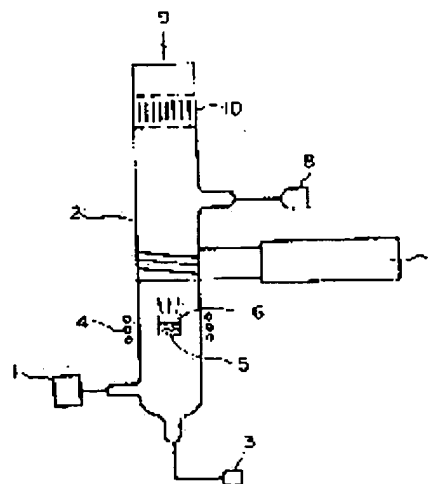
(72)Inventor : ANZAI HIROSHI

## (54) MANUFACTURE OF SURFACE COATED SUPER FINE PARTICLES

(57)Abstract:

PURPOSE: To form surface protective coating as it is at the time of generation, to prevent change in the quality and to control particle diameter by introducing organic monomer into metal kind super fine particles just after generating vapor phase, polymerizing and forming the polymerized film on surface of the above particles.

CONSTITUTION: For example, the metal kind 6 incorporated into a crucible 5 in a vacuum reaction vessel 2 is vaporized and electric field is impressed from high frequency electric source 7 to ionize carrier gas. Then, this ion and the above metal kind vapor are brought into collision each other and integrated to form the super fine particles. Successively, the organic monomer 8 is polymerized on the surfaces of particles with plasma and this is collected with a collecting system 10.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than

the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]